

**Request to Archive  
With The National Centers for Environmental Information  
For Hydrodynamic Model Products from the NOAA/CO-OPS Operational Forecast System  
Provided by NOAA>NOS>CO-OPS**

**2015-10-15**

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

**1. Who is the primary point of contact for this request?**

Peter Stone

DOC/NOAA/NOS/CO-OPS > Center for Operational Oceanographic Products and Services, National Ocean Service,  
NOAA, U.S. Department of Commerce

Technical Director

peter.stone@noaa.gov

**2. Name the organization or group responsible for creating the dataset.**

DOC/NOAA/NOS/CO-OPS > Center for Operational Oceanographic Products and Services, National Ocean Service,  
NOAA, U.S. Department of Commerce

**3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.**

CO-OPS maintains a suite of high resolution operational high resolution hydrodynamic nowcast/forecast systems as part of the National Operational Coastal Modeling Program (NOCMP) that provide near term forecasts (generally 48 hours) of total water level (without waves), currents, salinity, and water temperature. These models provide the marine user community with critical decision support information for multiple applications ranging from marine navigation, search and rescue, hazmat response, and ecological forecasting.

**4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)**

From 2015-10-15

Ongoing as continuous updates to the data record

**5. Edition or version number(s) of the dataset:**

N/A

**6. Approximate date when the dataset was or will be released to the public:**

2015-10-15

**7. Who are the expected users of the archived data? How will the archived data be used?**

marine navigation, search and rescue, hazmat response, and ecological forecasting

**8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?**

Need info from provider

**9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?**

Need info from provider

**10. List the input datasets and ancillary information used to produce the data.**

Need info from provider

**11. List web pages and other links that provide information on the data.**

<https://tidesandcurrents.noaa.gov/models.html>

**12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.**

1. Need info from provider

**13. Indicate the data file format(s).**

1. netCDF-4

**14. Are the data files compressed?**

gzip

**15. Provide details on how the files are named and how they are organized (e.g., file\_name\_pattern\_YYYYMM.tar in monthly aggregations).**

Need info from provider

**16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?**

Need info from provider

**17. What is the total data volume to be submitted?**

**Continuous Data: data volume rate for a continuous data production.**

Total Data Volume Rate: 150GB per Day

Data File Frequency: 1 per Day

Data Production Start:

**18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.**

Need info from provider

**19. Describe the server that will connect to the ingest server at NCEI for submitting the data.**

Physical Location: Need info from provider

System Name: Need info from provider

System Owner: DOC/NOAA/NOS/CO-OPS > Center for Operational  
Oceanographic Products and Services, National Ocean Service,  
NOAA, U.S. Department of Commerce

Additional Information:

**20. What are the possible methods for submitting the data to NCEI? Select all that apply.**

Need info from provider

**21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.**

**22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?**

No known constraints apply to the data.

**23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.**

These models provide the marine user community with critical decision support information for multiple applications ranging from marine navigation, search and rescue, hazmat response, and ecological forecasting. Risks - need info from provider

**24. Are the data archived at another facility or are there plans to do so? Please explain.**

CO-OPS maintains a suite of high resolution operational high resolution hydrodynamic nowcast/forecast systems as part of the National Operational Coastal Modeling Program (NOCMP) that provide near term forecasts (generally 48 hours) of total water level (without waves), currents, salinity, and water temperature. These models provide the marine user community with critical decision support information for multiple applications ranging from marine navigation, search and rescue, hazmat response, and ecological forecasting.

**25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?**

Kelly Stroker

**26. Do you have a data management plan for your data?**

Need info from provider

**27. Have funds been allocated to archive the data at NCEI?**

No

**28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.**

N/A

**29. Is there a desired deadline for NCEI to archive and provide access to the data?**

No deadlines for archive or access.

**30. Add any other pertinent information for this request.**

Need info from provider